



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 8, 2017

Kate Ingram
Senior Product Registration Specialist
Solenis LLC
500 Hercules Road
Wilmington, DE 19808

Subject: Notification per PRN 98-10 – Minor label modifications
Product Name: Amerstat 251 microbiocide
EPA Registration Number: 74655-23
Application Date: August 18, 2017
Decision Number: 532886

Dear Ms. Ingram:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

The primary brand name “Amerstat 251 microbiocide” has been added to the product record.

The alternate brand name “Amerstat 251” has been added to the product record.

If you have any questions, you may contact Joe Daniels at (703) 347-8669 or via email at daniels.joseph@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Zeno Bain', with a stylized flourish at the end.

for

Zeno Bain, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

NOTIFICATION

74655-23

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/08/2017

AMERSTAT[®]™ 251 microbiocide

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. .

Do not get in eyes, on skin, on clothing. Mixers, loaders and others exposed to this product must wear long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply pesticide only as specified on this label.

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one..	1.11%
2-Methyl-4-isothiazolin-3-one.....	0.39%
INERT INGREDIENTS.....	98.50%
TOTAL.....	100.0%

This product contains the active ingredients at 0.1326 pounds per gallon
~~Contents could be of U.S. or Great Britain~~

EPA Reg. No. 74655-23

EPA Est. No. 74655-TX-1
74655-GA-001

KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR ON CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

IF INHALED:

Move the person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

IN CASE OF EMERGENCY CALL
~~1-800-ASHLAND~~ 1-844-SOLENIS
(1-844-765-3647)

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD AND FEED BY STORAGE AND DISPOSAL

PESTICIDE STORAGE: This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

~~AMERSTAT® 251 microbiocide~~ This product controls bacterial and fungal contamination in aqueous systems.

~~AMERSTAT® 251 microbiocide is not~~ Not recommended for use in potable water systems or where contamination of potable water can occur.

SYNTHETIC LATEX PRESERVATIVE

~~AMERSTAT® 251 microbiocide~~ Prevents microbial contamination in synthetic latex emulsion systems. The recommended dosage range level for latex preservation is 0.01 to 0.1% based on total weight of product. The most efficient range level for latex preservation is 0.02% to 0.06%. Compatibility must be part of the devaluation.

ADHESIVES

~~AMERSTAT® 251 microbiocide~~ This product is an aqueous preservative designed to reduce bacterial and fungal contamination in natural (animal, protein and vegetable glues) and synthetic (polyvinyl acetate, ethylene vinyl acetate, styrene butadiene lattices, etc.) adhesives. It is extremely effective in reducing spoilage in adhesives formulated with animal, protein, vegetable, polyvinyl acetate, polyvinyl alcohol and styrene-butadiene ingredients.

The normal recommended dosage range is 0.01% to 0.10% based on the total formulation weight of the adhesive. A higher incorporation level, from 0.1% to 0.3% on a total weight basis, will be required in highly susceptible adhesives. The product can be added neat or diluted with water. ~~AMERSTAT® 251 microbiocide~~ This product can be incorporated with agitation either into the makeup water blend or post-added.

PULP AND PAPER MILL SYSTEMS

~~AMERSTAT® 251 microbiocide~~ This product is a broad-spectrum anti-microbial product designed to control bacterial and fungal slimes in papermaking systems. Dosage of ~~AMERSTAT® 251 microbiocide~~ will vary from 0.44 to 1.5 lbs (7 to 23 fluid ounces) per ton (dry basis) of finished paper produced, depending upon the type of stock, raw water and degree of contamination. Badly fouled systems ~~should~~ must be cleaned before initial treatment.

~~AMERSTAT 251 microbiocide~~ This product is typically slug-fed with a chemical metering pump linked to a timer. It ~~should~~ must be added to a point in the system to ~~insure~~ ensure uniform mixing such as the beater, hydropulper, fan or broke storage pumps. Specific feeding points and schedules will be recommended by an Ashland or Solenis representative for the particular application.

MINERAL SLURRIES/COLORANTS

~~AMERSTAT® 251 microbiocide~~ This product can be incorporated into aqueous mineral slurries, such as clay, calcium carbonate and titanium dioxide to reduce bacterial and fungal contamination and thus maintain product integrity.

For mineral slurries, such as clay and calcium carbonate and other aqueous colorants, the recommended dosage range is 0.01% to 0.05% on the total formulation weight. In severely contaminated systems, a higher dosage level of 0.05% to 0.2% on the total formulation weight may be required.

~~AMERSTAT® 251 microbiocide~~ This product is generally post-added, under slight agitation, into the mineral slurry or colorant before being stored or shipped.

METAL WORKING FLUIDS

~~AMERSTAT[®] 251 microbiocide is recommended for~~ For use as a preservative in aqueous metal-working fluids.

To maintain an uncontaminated system, a minimum dosage level of approximately 225 ppm (1.93 pounds or 29 fluid ounces per 1000 gallons of water) of ~~AMERSTAT[®] 251 microbiocide~~ this product every four weeks would be appropriate.

Every eight or twelve weeks. 250-1200 ppm (2.07-9.94 pounds or 31-148 fluid ounces per 1000 gallons of water) of ~~AMERSTAT[®] 251 microbiocide~~ this product would be appropriate.

For a noticeably fouled system, an initial treatment at a dosage range of 500-1160 ppm (4.14-9.63 pounds or 62-143 fluid ounces per 1000 gallons of water in the system) would be suitable followed by maintenance dosages. Higher dosages and more frequent treatments may be needed depending on the rate of dilution of the preservative in the makeup fluid, the nature and severity of contamination, the level of control required, the effectiveness of filtration and the system design.

INK/INK COMPONENTS/FOUNTAIN SOLUTIONS/PHOTO PLATE PROCESSING

~~AMERSTAT[®] 251 microbiocide is recommended for~~ For use in water-based printing inks such as flexographic, gravure, screen and ink jet types.

~~AMERSTAT[®] 251 microbiocide is recommended for~~ For the control of bacteria and fungi in printing ink components such as resins, plasticizers, water-soluble dyes, pigments, gelling agents, waxes, surfactants and thickeners.

~~AMERSTAT[®] 251 microbiocide is recommended for~~ For the control of bacteria and fungi in fountain solutions and photo plate processing such as stabilizer solutions. ~~AMERSTAT[®] 251 microbiocide should~~ This product must be added to the fountain solution concentration or processing chemical concentrate at a level to ensure optimum preservation. The recommended dosage range for ink, ink components, fountain solutions and photo plate processing chemicals is 0.1% to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5% and for neutral fountain solutions the level range is 0.5% to 0.8%. A level adjustment may be necessary to accommodate the slight change in solution formulations.

Refer to the table at the end of this section for dosing details for these applications.

BUILDING MATERIAL PRESERVATION

~~AMERSTAT[®] 251 microbiocide is recommended~~ For use as an in-container preservative for the control of bacteria and fungi in building materials such as caulks, grouting, joint cements, mastics, and spackling.

PAINT AND COATING PRESERVATION

~~AMERSTAT[®] 251 microbiocide is recommended~~ For use as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings, paints used for architectural product finishes and special-purpose coatings.

TACKIFIER PRESERVATION

~~AMERSTAT[®] 251 microbiocide is recommended~~ For use as a preservative for tackifiers derived from rosin and hydrocarbon resins.

lb. of product per 1000 lb. fluid	kg of product per 453 kg fluid	ppm of product	ppm active ingredient
0.43 lb.	195 g	425 ppm	6.25 ppm
1.65 lb.	750 g	1675 ppm	25.0 ppm

FOR INDUSTRIAL USE ONLY

IMPORTANT NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes slated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

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Wilmington, DE 19894
(302) 594-5000
Emergency Phone Number
~~1-800-ASHLAND (1-800-274-5263)~~ 1-844-SOLENIS (1-844-765-3647)